

# INFORMATION SHEET

## HIGH PILED COMBUSTIBLE STORAGE

**HIGH-PILED COMBUSTIBLE STORAGE** is storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves where the top of storage is greater than 12 feet in height. For certain high-hazard commodities, such as rubber tires, Group A plastics, flammable liquids, idle pallets, etc., where the top of storage is greater than six (6) feet in height. *NFPA 1: 3.3.138.25 & 3.3.192.2*

- A permit is required from the Fire Prevention Division to use any building or portion thereof as a high-piled storage area exceeding 500 square feet. *NFPA 1: 20.15.7.1.1, NFPA 1: 1.12 & NFPA 1: 20.15.7.1.2 [CLV Ordinance #5667]*
- At the time of permit application, plans and specifications shall be submitted for review and approval. *NFPA 1: 1.7.10*
- The plans shall include the following: *NFPA 1: 20.15.1.2.2*
  - Floor plan of the building showing locations and dimensions of high-piled storage areas.
  - Useable storage height for each storage area.
  - Number of tiers within each rack (if applicable).
  - Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
  - Aisle dimensions between each storage array.
  - Maximum pile volume for each storage array.
  - Location and classification of commodities in accordance with NFPA 13
  - Location of commodities which are banded or encapsulated.
  - Location of required fire department access doors.
  - Type of fire-suppression and fire-detection systems.
  - Location of valves controlling the water supply of ceiling and in-rack sprinklers.
  - Type, location and specifications of smoke-removal and curtain board systems.
  - Dimension and location of transverse and longitudinal flue spaces.
  - Additional information regarding required design features, commodities, storage arrangement and fire-protection features within the high-piled storage area.
- Automatic Fire Protection Systems shall meet the requirements of NFPA 230 & NFPA 13
- Smoking shall be prohibited. Approved “NO SMOKING” signs shall be conspicuously posted. *NFPA 1: 20.15.7.3*
- When restocking is not being conducted, aisles shall be kept clear of storage, waste material and debris. Fire department access doors, aisles and exit doors shall not be obstructed. *NFPA 1: 20.15.1.3*

*The items listed are basic information only. Codes are subject to change. Additional requirements may apply.*

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